

AMENDMENTS TO THE CLAIMS:

Please amend claims 1-6, as listed in the following listing of the claims, which replaces all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A cryptographic communication method for use in cryptographic communication of information through communication lines among plural CPUs, the method comprising: wherein

installing cryptographic algorithms containing chaos block encryption and chaos stream encryption ~~are installed in~~ each of said plural CPUs and

carrying out said plural CPUs carry out cryptographic communication of information by combining said chaos block encryption and said chaos stream encryption.

2. (Currently Amended) A cryptographic communication system constructed by connecting plural CPUs through communication lines for carrying out cryptographic communication among the CPUs, wherein

said plural CPUs, after enciphering a plaintext code which is a secrecy object by chaos block encryption, encipher by chaos stream encryption and transmit ~~transmits~~ an obtained cipher code, and

after synchronously restoring a received cipher code by said chaos stream encryption, restore by said chaos block encryption so as to obtain an original plaintext code.

3. (Currently Amended) A cryptographic communication system constructed by connecting plural CPUs through communication lines for carrying out cryptographic communication among the CPUs, wherein

said plural CPUs, after enciphering a plaintext code which is a secrecy object by chaos block encryption, encipher by chaos stream encryption and transmit ~~transmits~~ an obtained cipher code, and

after synchronously restoring a received cipher code by said chaos stream encryption, verify a block cipher key and after it is certified that it is a legal access, restore by said chaos block encryption so as to obtain an original plaintext code.

4. (Currently Amended) A chaos cryptographic communication method as claimed in claim 1 wherein respective data bases for a cipher key, a cipher table and a restoration table in said chaos block encryption ~~is~~ are controlled unitarily by providing with an appropriate initial value $x(0)$.

5. (Currently Amended) A chaos cryptographic communication system ~~method~~ as claimed in claim 2 wherein respective data bases for a cipher key, a cipher

table and a restoration table in said chaos block encryption ~~is~~are controlled unitarily by providing with an appropriate initial value $x(0)$.

6. (Currently Amended) A chaos cryptographic communication system ~~method~~ as claimed in claim 3 wherein respective data bases for a cipher key, a cipher table and a restoration table in said chaos block encryption ~~is~~are controlled unitarily by providing with an appropriate initial value $x(0)$.